| Index of Claims         | Applica<br>10/004            |        | n/Control | Applicant(s)/Patent under Reexamination ALI ET AL. |       |          |          |   |  |  |
|-------------------------|------------------------------|--------|-----------|--|-------|----------|----------|---|--|--|
|                         |                              | Examir | •         | •  |       | Art Unit |          |   |  |  |
|                         |                              | LeChi  | Tru       | ong  |       | 2194     |          |   |  |  |
| √ Rejected _            | (Through numera<br>Cancelled |        | N         | Non-Ele  | cted  | A        | Appeal   |   |  |  |
| = Allowed ÷             | Restricted                   |        | 1         | Interfere  | ence  | 0        | Objected |   |  |  |
| Claim Date              | Claim                        | Date   |           |  | Claim | <u> </u> | Date     | 7 |  |  |
| Final Original 87.8 101 | Final                        |        |           |  | Final | $\top$   |          | ヿ |  |  |

| Claim V                     |  | Date  |                 |                               | Cla         | aim      |                     |                    |          | Date              |                      |         |          | 1  | Ci          | aim        |             |   | -            | Date         |                 |          |                 | _ |
|-----------------------------|--|---|-----------------|-------------------------------|-------------|----------|---------------------|--------------------|----------|-------------------|----------------------|---------|----------|----|-------------|------------|-------------|---|--------------|--------------|-----------------|----------|-----------------|---|
|                             |  | 11  |                 | $\neg \vdash$                 | <del></del> |          | $\vdash$ $\vdash$   | 7                  | T        |                   | Т                    | Т       | Т        | i  | -           |            | $\neg T$    | Т   | T            | 1            | m               | Т        | Т               |   |
| <sub>=</sub>   <sub>=</sub> | 2  | 11  |                 | - 1                           | =           | 펼        |                     |                    | 1        |                   |                      | 1       |          |    | -           | <u> </u>   |             |   | 1            | 1            |                 |          | - 1             |   |
| Final<br>Migina             | <del>-</del>                                     | 11  |                 | - 1                           | Final       | ġ        |                     |                    |          |                   |                      | -       | 1        |    | Final       | <u>ig</u>  |             |   | 1            | 1            |                 |          | - 1             |   |
| Final<br>Original           | 4  |   |                 |                               | ΙŒ          | Original |                     | ı                  |          |                   | .                    | 1       | 1        | 1  | Į iE        | Original   |             |   | 1            | 1            |                 |          | - {             |   |
| Fina<br>9 Origin            | <u> </u>   |   |                 |                               |             |          |                     |                    |          |                   | 1_                   | 1_      |          |    |             |            |             |   |              |              |                 |          |                 |   |
| <u> </u> (1) V              |  |   | _               |                               |             | 51       |                     |                    |          |                   |                      |         |          |    |             | 101        |             |   | П            |              |                 |          | П               |   |
| -2-                         | $\Pi\Pi$   |   |                 |                               |             | 52       |                     |                    | 1        |                   |                      |         | $\top$   | 1  |             | 102        |             | T   | 1            |              |                 |          | $\neg \uparrow$ |   |
| 3 V                         |  | $\dashv \dashv$   |                 | $\neg$                        |             | 53       |                     | 1                  |          |                   |                      |         | 1        | 1  |             | 103        |             | _   | 1-           |              | П               |          | $\neg$          |   |
| 3 V                         |  | $\dashv \dashv$   | $\neg$          | $\dashv \dashv$               |             | 54       |                     |                    | 1-       |                   | _                    | $\top$  | 1        |    | _           | 104        | _           | +   | +            | 十            |                 | -        | 十               | _ |
| 5                           | <del>                                     </del> | +   |                 | $\dashv \dashv$               | -           | 55       | $\vdash$            | +                  | ╅┈       | -                 | +                    | +       | +        |    |             | 105        | -           | +   | ╅            | +            | Н               | -        | -+              |   |
| 6                           | <del> - - </del>                                 | ++  |                 | $\dashv$                      |             | 56       | $\vdash$            | ┰                  | +-       |                   | -+-                  | +-      | +        |    | $\vdash$    | 106        |             | +-  | ┿            | ╁            | Н               | -        |                 |   |
| 7                           | <del>                                     </del> | +   | +               | +                             |             | 57       | $\vdash$            | ┰                  | +        | -+                | +                    | +       | +        |    | $\vdash$    | 107        | -           | +   | +-           | ╁            | $\vdash$        |          | -+              | _ |
|                             | +++  | +   | $\overline{}$   |                               |             |          | -                   |                    | ╀        | $\dashv$          | +                    | +       | ┼        |    |             | 107        | +           |   | +            | ⊢            | $\vdash$        |          | $\dashv$        |   |
| 8                           | <del>      -   -</del>                           |   |                 | -                             | -           | 58       | $\vdash \vdash$     | -                  | +        |                   |                      | +       | _        |    | <u> </u>    | 108        | $\dashv$    | _   | 4            | ▙            |                 | -        |                 |   |
| 9                           | +++  |   | $\dashv$        | $\dashv$                      |             | 59       |                     | -                  | $\perp$  |                   | -                    |         | —        |    | <u></u>     | 109        | $\perp$     | _   | ┷            | L            | Ш               |          | _               |   |
| 10                          | 1-1-1  | 44  | $\perp$         | $\bot$                        |             | 60       | $\vdash$            | ┸                  |          | $\sqcup$          | $\perp$              | $\perp$ | _        |    | L           | 110        | oxdot       | $\perp$   | $\perp$      | $\vdash$     | Ш               | $\sqcup$ | _               |   |
| 11                          | $\bot \bot \bot$                                 | $\dashv$  |                 |                               |             | 61       | lacksquare          | 4                  | $\perp$  | Ш                 | $\perp$              |         | _        |    |             | 111        |             | $\perp$   | $\perp$      | _            | Ш               | $\sqcup$ | $\perp$         |   |
| 12                          |  |   |                 |                               |             | 62       |                     | $\perp$            |          |                   | $\perp$              |         | $\perp$  |    |             | 112        |             |   | $\perp$      | L            |                 |          |                 | _ |
| 13                          |  | Ш   |                 |                               |             | 63       |                     | L                  |          |                   | $\perp \!\!\! \perp$ |         |          | ٠. |             | 113        |             | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}}}$ | $\perp$      |              |                 |          | $\Box$          |   |
| 14                          |  | ot  |                 |                               |             | 64       |                     |                    |          |                   |                      |         |          |    |             | 114        |             | T   | $I^-$        | Γ            |                 |          | T               |   |
| 15                          |  | $\sqcap$  | $\Box$          |                               | -           | 65       |                     | Т                  |          |                   | $\neg$               |         |          |    |             | 115        |             |   | $\top$       |              |                 |          | $\neg$          |   |
| (16)                        |  | $\top$  |                 |                               |             | 66       |                     | 1                  |          |                   | $\neg$               |         | 1        |    |             | 116        |             | 1   | $\top$       | Т            |                 |          | 7               |   |
| 17                          |  | $\dashv \dashv$   |                 | $\dashv$                      |             | 67       |                     | 1                  | 1        | $\sqcap$          | $\dashv$             | $\top$  | T        | į: |             | 117        |             | +   | $\top$       | $\vdash$     | М               | $\dashv$ | 十               |   |
| 18                          |  | +-+   |                 | $\Box$                        |             | 68       |                     | +-                 | t        | $\vdash$          | 十                    | +       | +        | :  | $\vdash$    | 118        |             | +-  | +            | $\vdash$     | Н               |          | $\dashv$        |   |
| 19                          | +++  | +   | $\dashv \dashv$ | +                             | -           | 69       | - -                 | +-                 | +-       | $\dashv$          | +                    | +       | +        | .* | <b>—</b>    | 119        | +           | +   | +            | $\vdash$     | Н               |          | $\dashv$        | _ |
| 20                          | +++  | +   | $\dashv$        | +                             | -           | 70       | +                   | +-                 | +        | $\vdash$          | +                    | +       | +        | ł  | <del></del> | 120        | -           | +   | +-           | +-           | Н               | $\vdash$ | +               | _ |
| 21                          | + + +  | +   | +               | -+-                           |             | 71       | $\vdash \vdash$     | +                  | +        | -+                | +                    | +       | +        | ł  | -           | 121        | -           | +   | +            | ╁            | Н               | $\dashv$ | +               |   |
| 21 (22)                     | +  | +   |                 |                               | -           |          | $\vdash \vdash$     | +-                 | +-       | -                 | +                    | +       | +        | ł  | <b>-</b>    |            | $\vdash$    | +   | ┿            | -            | $\vdash$        | $\dashv$ | +               |   |
| <del>-   \\ \\ \\ \</del>   | ++-+   | +   | $\dashv\dashv$  | $\dashv$                      | -           | 72       | -                   | +-                 | +-       | $\vdash \vdash$   |                      |         | ┼        | {  | <u> </u>    | 122        | -           | +   | +            |              | $\vdash \vdash$ |          |                 |   |
| 23                          | 1-1-1  | +   | $\perp$         | $\dashv$                      | -           | 73       | $\vdash \vdash$     | 4                  | _        | $\vdash$          |                      | 4       | +        | l  | <u> </u>    | 123        |             | 4   | +            | <b>—</b>     | Щ               | $\vdash$ | $\dashv$        |   |
| <b>199</b>                  |  | +   |                 | -                             |             | 74       | $\vdash \vdash$     | 4                  | 1        | $\sqcup$          | $\perp$              | $\perp$ | ╄        |    | <u></u>     | 124        |             | - -   | 1            | <del> </del> | Ш               | $\Box$   | 4               |   |
| <del>25</del>               | 1-1-1  | $\perp \perp$   | Щ               | $\dashv$                      |             | 75       | $\sqcup \bot$       | _                  |          | Ш                 | _                    |         | ₩        |    | <u> </u>    | 125        |             | $\perp$   | _            | <u> </u>     | Ш               | $\sqcup$ | _               |   |
| 26 V                        | 1  | $\bot$  | $\perp$         | $\perp \!\!\! \perp$          |             | 76       | $\sqcup \!\! \perp$ | $oldsymbol{\perp}$ |          |                   |                      | $\perp$ | _        | l  | L           | 126        |             |   | 1_           | <u> </u>     | Ш               |          | $\perp$         | _ |
| 27                          | $\bot$   | $\perp \!\! \perp \!\! \perp$                                       |                 | $\bot$                        |             | 77       | Ш                   |                    |          |                   |                      | $\perp$ | $\perp$  | Į  |             | 127        | $\Box$      | $\perp$   |              |              |                 |          |                 |   |
| 28                          |  | $\bot$ $\Box$   |                 |                               |             | 78       |                     |                    |          |                   | T                    |         |          |    |             | 128        |             |   |              |              |                 |          | $_{T}$          | _ |
| 29                          |  |   |                 |                               |             | 79       |                     |                    | 1        |                   | T                    | T       |          | 1  |             | 129        |             | T   | Т            |              |                 |          | $\neg$          |   |
| 30                          |  |   |                 | $\Box$                        |             | 80       |                     |                    | 1        |                   | $\top$               |         | T        | Ì  |             | 130        |             | $\neg \vdash$   | $\top$       | Г            |                 | $\neg$   | ╗               |   |
| 31                          | $\Box \Box \Box$                                 | $\dashv \dashv$   |                 | $\neg \sqcap$                 |             | 81       | 1                   | 1                  | 1        | $\Box$            |                      |         | 1        | ĺ  | ļ           | 131        |             | 1   | 1            | 1            |                 | -        | $\dashv$        |   |
| 32                          | +++  | +   |                 | $\dashv$                      |             | 82       | $\vdash$            | ٦.                 | 1        | П                 | 十                    | 1       | $\top$   | 1  |             | 132        | -           | $\top$  | +            | 1            | Н               | $\dashv$ | 十               |   |
| 33                          |  | +-  | $\dashv \dashv$ | $\dashv$                      |             | 83       | $\vdash$            | Ť                  | 1        | $\vdash$          |                      | +-      | +        | 1  | <b>—</b>    | 133        |             | +-  | +            | 1            | -               | $\dashv$ | 十               |   |
| 34                          | + + +  | +   | $\dashv$        | $\dashv$                      | $\vdash$    | 84       | $\vdash \vdash$     | +                  | +        | $\vdash$          | -+-                  | ┰       | +-       | l  | <u> </u>    | 134        | -           | +   | +            | ┢            | Н               | -        | $\dashv$        | _ |
| 35                          | ++-+   | <del> - </del>  | $\dashv \dashv$ | $\dashv$                      | <b></b>     | 85       | -                   | +                  | +        | $\vdash$          | +                    | +       | +        | i  | -           | 134<br>135 | +           | +   | +            | $\vdash$     | $\vdash$        | $\dashv$ | $\dashv$        | _ |
| 36                          | +++  | ╅┩  | $\dashv$        | +                             | $\vdash$    | 86       | <del>   </del>      | ╫                  | +        | $\vdash$          | +                    | +       | +        | ł  | $\vdash$    | 136        | $\vdash$    | +   | +-           | ├-           | Н               | $\dashv$ | $\dashv$        | _ |
| 37                          | +++  | +   |                 | +                             | $\vdash$    | 87       | $\vdash\vdash$      | +-                 | +        | $\dashv$          | +                    | +       | +        | ł  |             | 130        | $\vdash$    | +   | +            | ⊢            | Н               | $\dashv$ | $\dashv$        | _ |
|                             | <del> - - </del> -                               | -   |                 | $\dashv$                      | <u> </u>    |          | $\vdash$            | +                  | +        | $\vdash$          | +                    | +       | ┿        | ł  | <b>├</b>    | 137        |             | +   | +-           | <del> </del> | ╙               | -        | 4               | _ |
| 38                          |  | $\dashv$  |                 | $\dashv$                      | -           | 88       | $\vdash\vdash$      | +                  | -        | Н                 |                      | +       | +        | l  | <u></u>     | 138        |             | $\bot$  | $\vdash$     | ⊢            | Щ               | _        | 4               |   |
| 39                          | +++  | $\dashv$  | $ \square$      | +                             | <u> </u>    | 89       | $\vdash \vdash$     | $\bot$             | $\vdash$ | $\sqcup$          | _                    | 4       | ↓_       | l  | <u></u>     | 139        |             | 4   | <del> </del> | <u> </u>     | Щ               | $\Box$   | 4               | _ |
| 40                          | 1-1-1  | $\bot$  | $\perp$         |                               | -           | 90       | _ _                 | 1                  | 1_       | Ц                 |                      |         | _        | ļ  |             | 140        | ot          | $\perp$   | $\perp$      | $\vdash$     | Ш               |          | $\perp$         |   |
| 41                          | $\sqcup \sqcup$                                  | 44  | $\perp$         | $\perp \downarrow \downarrow$ |             | 91       |                     | $\perp$            | <u> </u> | Ш                 | 丄                    | _ _     | <u> </u> | Į  |             | 141        |             | $\perp$   | 丄            | 乚            |                 |          | $\perp$         |   |
| 42                          | $\bot \bot \bot$                                 | $oldsymbol{\perp}$  |                 | $\bot$                        |             | 92       |                     | $\perp$            | $\perp$  | $\Box$            |                      | L       |          | ١. | L           | 142        |             |   | L            | L            | $\Box$          |          |                 | _ |
| 43                          |  | $\perp \! \! \perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ |                 |                               |             | 93       |                     |                    |          |                   | $\bot \Gamma$        |         |          | ]  |             | 143        |             | $oldsymbol{ol}}}}}}}}}}}}}}}$   |              |              |                 |          | $\Box \Gamma$   |   |
| 44                          |  |   |                 | $\Box\Box$                    |             | 94       |                     |                    |          |                   |                      |         |          | }  |             | 144        |             | Τ   |              |              |                 |          | T               |   |
| 45                          |  |   |                 | $\Box$                        |             | 95       |                     | T                  | П        |                   |                      | $\top$  | T        | 1  |             | 145        |             | $\top$  | $\top$       | П            | П               |          | $\neg$          |   |
| 46                          |  | $\top$  | $\sqcap$        | $\neg \Box$                   |             | 96       | $\vdash$            | 十                  | T        | П                 | _                    | 1       | $\top$   | 1  |             | 146        | _           | 1   | 1            | $\vdash$     | П               | $\dashv$ | _               |   |
| 47                          |  | 77  | $\sqcap$        | $\neg \neg$                   |             | 97       | $\sqcap$            | Ť                  | $\top$   | $\Box$            |                      | $\top$  |          | 1  |             | 147        |             | +   | 1            |              | Н               | ╛        | $\dashv$        | - |
| 48                          | +++  | 11  |                 | $\dashv$                      |             | 98       | $\vdash$            | +                  |          | $\vdash$          | $\dashv$             | $\top$  | +        | 1  | <u> </u>    | 148        | -           | +   | +            |              | Н               | $\dashv$ | +               | _ |
| 49                          | <del>     </del>                                 | 1-1   | $\dashv$        |                               |             | 99       |                     | +-                 | +        | $\vdash \uparrow$ | $\dashv$             | +       | 1-       | l  | $\vdash$    | 149        | <del></del> | +   | +            | $\vdash$     | Н               | -        | +               |   |
| 50                          | <del>                                     </del> | +   |                 | $\dashv \dashv$               |             | 100      | $\vdash$            | +                  | $\vdash$ | -+                | +                    | +       | +-       | ı  | <del></del> | 150        | -           | +   | +            | $\vdash$     | Н               | $\dashv$ | +               |   |
|                             | لللل   |   |                 |                               |             | 100      |                     |                    | 1        | LL                | L                    |         | 1        | 1  |             | 120        |             | 1   | 1            |              | i J             | 1        |                 |   |